Rec'd PCT/PTO 10 FER 2005

特許協力条約

PCT

特許性に関する国際予備報告(特許協力条約第二章)

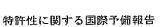
(法第12条、法施行規則第56条) [PCT36条及びPCT規則70]



出願人文は代理人 の書類記号 F0901PCT1	今後の手続きにつ	いては、様式PCT/	IPEA/416&	参照すること。
国際出願番号 PCT/JP03/10300	国際出願日 (日.月.年) 1	4. 08.2003	優先日 (日.月.年) 16	5. 08.2002
国際特許分類 (IPC) Int Cl	7 B03B42/	0 2		
出願人(氏名又は名称) コニカミノルタホールディングス株式	大会社			
1. この報告書は、PCT35条に基づき 法施行規則第57条 (PCT36条) の 2. この国際予備審査報告は、この表紙を 3. この報告には次の附属物件も添付され a	D規定に従い送付す を含めて全部で れている。 さいる。 さいた及び/又 をとされた及び/又 でである。 でのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでの	る。	ジからなる。 関が認めた訂正を含む >無) 示の範囲を超えた補Ⅰ (電子媒体の	ひ明細書、請求の範 正を含むものとこの 種類、数を示す)。
4. この国際予備審査報告は、次の内容を 図 第 I 欄 国際予備審査報 第 II 欄 医免権 第 II 欄 新規性、進歩性 図 第 IV欄 発明の単一性の 図 第 V欄 P C T 3 5 条 (2) けるための文献。	告の基礎 又は産業上の利用で 欠如 に規定する新規性 及び説明 歌	J能性についての国際予 、進歩性又は産業上のマ		
国際予備審査の請求書を受理した日 04.02.2004		国際予備審査報告を作	作成した日 10.2004	
名称及びあて先 日本国特許庁(IPEA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番	3 号	特許庁審査官(権限 <i>0</i> 森 竜介) ある職員)	2 V 3 4 9 4

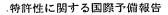
電話番号 03-3581-1101 内線

3 2 7 1





第1欄	報告の基礎	·
1. 50)国際予備審査報告は、下記に示す場合を除くほか	、国際出願の言語を基礎とした。
	この報告は、 語による翻訳文を それは、次の目的で提出された翻訳文の言語である] PCT規則12.3及び23.1(b)にいう国際調査] PCT規則12.4にいう国際公開] PCT規則55.2又は55.3にいう国際予備審査	基礎とした。 5。 (PCT14条)の規定に基づく命令に応答するために提出され
た差替え	と用紙は、この報告において「出願時」とし、この	報告に添付していない。)
\times	出願時の国際出願書類	
. 🗆	明細書 第 ページ、 第 ページ*、 第 ページ*、	出願時に提出されたもの
		出願時に提出されたもの PCT19条の規定に基づき補正されたもの 付けで国際予備審査機関が受理したもの 付けで国際予備審査機関が受理したもの
	第 ページ/図*、 ページ/図*、	出願時に提出されたもの 付けで国際予備審査機関が受理したもの 付けで国際予備審査機関が受理したもの
	配列表又は関連するテーブル配列表に関する補充欄を参照すること。	
3	棚正により、下記の書類が削除された。 明細書 第 請求の範囲 第 図面 第 配列表(具体的に記載すること) 配列表に関連するテーブル(具体的に記載する	ページ 項 ページ/図 ること)
4		添付されかつ以下に示した補正が出願時における開示の範囲を超れなかったものとして作成した。 (PCT規則70.2(c))
* 4.	に該当する場合、その用紙に"superseded"と記入	.されることがある。





第IV棡	発明の単一性の欠如
1. 7	背求の範囲の減縮又は追加手数料の納付の求めに対して、出願人は、
	請求の範囲を減縮した。
	追加手数料を納付した。
	追加手数料の納付と共に異議を申立てた。
	請求の範囲の減縮も、追加手数料の納付もしなかった。
2. 🗵	国際予備審査機関は、次の理由により発明の単一性の要件を満たしていないと判断したが、PCT規則68.1の規定に従い、請求の範囲の減縮及び追加手数料の納付を出願人に求めないこととした。
3. 匿	国際予備審査機関は、PCT規則13.1、13.2及び13.3に規定する発明の単一性を次のように判断する。
	満足する。
\times	以下の理由により満足しない。
	請求の範囲 $1-140$ 「放射線画像読取装置」は「モード切替」に関し、請求の範囲 $15-18$, 19 , $20-220$ 「放射線画像読取装置」は「バック板の落下」に関するものである。これらの発明は、一又は二以上の同一又は対応する特別な技術的特徴を含む技術的な関係にないから、単一の一般的発明概念を形成するように連関しているものとは認められない。
4. L	たがって、国際出願の次の部分について、この報告を作成した。
×	すべての部分
	請求の範囲 に関する部分



国際出願番号 PCT/JP03/10300

第	V 欄 新規性、進歩性又は産業」 それを裏付ける文献及び記		についての法第12条(PCT35条(2))に定める見解、 	
1.	見解			
	新規性(N)	請求の範囲請求の範囲		有 無
	進歩性(IS)		5-8 1-4, 9-22	有 無
	産業上の利用可能性(IA)	請求の範囲請求の範囲	1-22	有 無

文献及び説明 (PCT規則70.7) 2.

文献1:US 2001/0032945 A(FUJI PHOTO FILM Co. LTD)

2001.10.25

文献2:US 2002/0060303 A (KONIKA CORP)

2002.05.23

(請求の範囲1-3)

文献1の請求項1を引用する請求項4には、読み取り後に消去をする読み取り消去モードと、消去のみを実施して終了する消去モードを選択可能に入力する手段が 記載されている。よって、請求の範囲1-3に記載された発明は、国際調査報告で 引用された文献1から新規性を有さない。

(請求の範囲4)

起動時には自動的に読み取りモードを選択するように設定することは、当業者が適宜選択しうる事項である。また、文献1においては、読み取りのみモードを省略すること(段落56参照)、つまり読み取り消去モードと消去モードを選択的に切り替えることも記載されている。 よって、請求の範囲4に記載された発明は、国際調査報告で引用された文献1かなまますない。

ら進歩性を有さない。

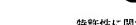
(請求の範囲5-8)

文献1には、消去モードにおいて、所定時間内にカセッテが放射線画像読取装置 に供給されないと自動的に消去モードが終了して読取モードに復帰することが記載

されておらず、しかもその点は当業者といえども自明のものではない。 よって、その点を有する請求の範囲5,6、請求の範囲5,6を引用する請求の 範囲7および請求の範囲7を引用する請求の範囲8に記載された発明は進歩性を有

(請求の範囲9)

文献1段落15には、異なるスピードで消去することが記載されている。 よって、請求の範囲9に記載された発明は、国際調査報告で引用された文献1か ら進歩性を有さない。



補充欄

いずれかの欄の大きさが足りない場合

第 V 欄の続き

(請求の範囲10)

切り替え操作に使用するボタンやスイッチの操作形態として「長押し」は周知である。

よって、請求の範囲10に記載された発明は、国際調査報告で引用された文献1から進歩性を有さない。

(請求の範囲11-14)

文献3: JP 2002-23292 A (富士写真フイルム株式会社) 2002.01.23

文献3の段落18には、「読取中」「消去中」「読取完了」「消去完了」などの動作状態を表示する表示手段を設けること、動作状態に応じて異なる色のランプを点灯させる表示をすることが記載されている。

文献1と3の発明は放射線画像読取装置という点で同一の技術課題を有する。文献1の発明において、その共通する技術課題を解決するために、文献3に記載の表示手段を適用することは当業者にとっては自明のものである。 よって、請求の範囲11-14に記載された発明は、国際調査報告で引用された文献1、および見解書で新たに引用した文献3より進歩性を有しない。

(請求の範囲15-22)

文献2の段落0405,0406には、バック板が落ちるトラブルが生じた際にユーザーにそのトラブルがあったことを知らせることが記載されている。

また、段落0395には、トラブルがあった際に挿入口へカセッテを挿入できないようにすることが記載されている。

落下したことを検知する手段として、存在すべき時に存在するか否かを検知することや、存在すべき物体に接触することにより検知するセンサを採用することは、存在の検知に関する周知技術であるので、請求の範囲15-22に記載された発明は、国際調査報告で引用された文献2から進歩性を有さない。



PATENT COOPERATION TREATY



PCT

(Chapter II of the Patent Cooperation Trenty) To TEB 2005

(PCT Article 36 and Rule 70)

	(I CI Milicie	30 and Rule 70)	•
Applicant's or agent's file reference F0901PCT1	FOR FURTHER AC	CTION	See Form PCT/IPEA/416
International application No.	International filing da	te (day/month/year)	Priority date (day/month/year)
РСТ/ЈР2003/010300	14 August 200	3 (14.08.2003)	16 August 2002 (16.08.2002)
International Patent Classification (IPC) or n G03B 42/02	national classification an	d IPC	
Applicant K	ONICA MINOLTA	A HOLDINGS, IN	C.
This report is the international prelin Authority under Article 35 and trans			International Preliminary Examining 6.
2. This REPORT consists of a total of		· ·	heet.
3. This report is also accompanied by A	ANNEXES, comprising	:	
a. (sent to the applicant and	l to the International Bu	reau) a total of	sheets, as follows:
sheets of the desc and/or sheets con Administrative In	taining rectifications au	rawings which have be thorized by this Autho	een amended and are the basis of this report ority (see Rule 70.16 and Section 607 of the
	osure in the internationa		considers contain an amendment that goes as indicated in item 4 of Box No. I and the
readable form only, as in	, containdicated in the Supplement	ning a sequence listin	pe and number of electronic carrier(s)) g and/or tables related thereto, in computer o Sequence Listing (see Section 802 of the
Administrative Instructio	ns).		
4. This report contains indications rela	ating to the following ite	ms:	
Box No. I Basis of the re	eport		
Box No. II Priority			
Box No. III Non-establish	ment of opinion with re	gard to novelty, invent	ive step and industrial applicability
Box No. IV Lack of unity	of invention		
	tement under Article 35(explanations supporting		lty, inventive step or industrial applicability;
Box No. VI Certain docum			
Box No. VII Certain defect	ts in the international ap	plication	
Box No. VIII Certain obser	vations on the internation	nal application	
Date of submission of the demand		Data of normal stirms	St. in manage
	2 2004)	Date of completion of	·
04 February 2004 (04.0)	<i>2.2004)</i>		october 2004 (28.10.2004)
Name and mailing address of the IPEA/JP		Authorized officer	
Rossimile No.		Tolombana No	

Translation



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

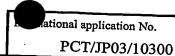
PCT/JP2003/010300

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on translations from the original language into the following language which is language of a translation furnished for the purpose of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): The international application as originally filed/furnished the description: pages received by this Authority on pages* received by this Authority on the claims: pages received by this Authority on	Dan M			PC1/JP2003/010300
This report is based on translations from the original language into the following language which is language of a translation furnished for the purpose of: international service (hore Rules 1.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not amended to this report): The international application as originally filed/furnished the description: pages	BOX M), I	Basis of the report	
International sareth (under Rules L2 and 23.109)	1. With othe	regard rwise i	I to the language, this report is based on the international application in the landicated under this item.	anguage in which it was filed, unless
publication of the international application (under Rules 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) with regard to the elements of the international application, this report is based on (replacement sheets which have been international application in this report) as "originally filed" and are not anousculd to this report): The international application as originally filed/furnished the description: pages		This which	report is based on translations from the original language into the following the same report is language of a translation furnished for the purpose of:	ing language,
international preliminary examination (under Rules 55.2 and/or 55.3) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): The international application as originally filed/furnished the description: pages				
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): The international application as originally filed/furnished the description: pages		닏		
and are not amessed to this report): The international application as originally filed/furnished the description: pages			international preliminary examination (under Rules 55.2 and/or 55.3)	
pages* received by this Authority on received by this Authority on a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify): This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages the claims, Nos. the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify): any table(s) related to sequence listing (specify):		The in the de pages pages the clapages pages pages pages the drapages pages the drapages	annexed to this report): International application as originally filed/furnished escription: The received by this Authority on received by this Authority on aims: The received by this Authority on received by this	, as originally filed/furnished, as originally filed/furnished, as originally filed/furnished, as originally filed/furnished gether with any statement) under Article 19
pages* received by this Authority on a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify): This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):		pages'	received by this Authority on	, as originally mediumished
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This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):			he sequence listing (specify):	
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		This remade, (Rule 7 t t t t t t	sport has been established as if (some of) the amendments annexed to this is since they have been considered to go beyond the disclosure as filed, as 70.2(c)). The description, pages	report and listed below had not been indicated in the Supplemental Box
	If item	4 appl	ies, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRESENTINARY REPORT ON PATENTABILITY

In ational application No.	
PCT/JP03/10300	

Box No. IV	Lack of unity of invention
1.	response to the invitation to restrict or pay additional fees the applicant has:
	restricted the claims.
	paid additional fees.
	paid additional fees under protest.
	neither restricted nor paid additional fees.
2. This not	Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, to invite the applicant to restrict or pay additional fees.
3. This Author	ority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
	plied with.
not c	omplied with for the following reasons:
inventions a	radiation image reading apparatus" of claims 1-14 relate to "mode selection," and the "radiation apparatus" of claims 15-22 relate to "drop of a back plate." It is not considered that these re so linked as to form a single general inventive concept, since there is no technical relationship inventions involving one or more of the same or corresponding special technical features.
	•
	·
•	
	<u>.</u>
. Consequently	v, this report has been established in respect of the following parts of the international application:
	Il parts.
ليا th	e parts relating to claims Nos
orm PCT/IDE A	//00 /Par. No. 110 //



Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

4-22 1-3	YE NO
5-8	YES
1-4, 9-22	NO
1-22	YES
	NO

2. Citations and explanations (Rule 70.7)

Document 1: US, 2001/0032945, A (Fuji Photo Film Co., Ltd.), 25 October, 2001 (25.10.01)

Document 2: US, 2002/0060303, A (Konica Corp.), 23 May, 2002 (23.05.02)

Claims 1-3

Claim 4 quoting claim 1 of document 1 describes a means for selectively entering either a read and erase mode for erasing after reading or an erase mode for performing only erasure for finishing. So, the subject matters of claims 1-3 do not appear to be novel in view of document 1 cited in the ISR.

Claim 4

Setting to ensure that a read mode is selected automatically at the time of start is a matter that a person skilled in the art could have selected as required. Furthermore, document 1 also describes that a read-only mode can be omitted (see paragraph 56), that is, either a read and erase mode or an erase mode is selected.

So, the subject matter of claim 4 does not appear to involve an inventive step in view of document 1 cited in the ISR.

Claims 5-8

Document 1 does not describe that if a cassette is not fed into a radiation image reading apparatus within a predetermined period of time, the erase mode terminates automatically to restore a read mode. This constitution is not considered to be obvious to a person skilled in the art either.

So, the subject matters of claims 5 and 6 with this constitution, the subject matter of claim 7 quoting claims 5 and 6, and the subject matter of claim 8 quoting claim 7 appear to involve an inventive step.

Document 1 (paragraph 15) describes that erasure is performed at a different speed.

So, the subject matter of claim 9 does not appear to involve an inventive step in view of document 1 cited in the ISR.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: V2

Claim 10

As an operation style of a button or switch used in change-over operation, "long pressing" is well known. So, the subject matter of claim 10 does not appear to involve an inventive step in view of document 1 cited in the ISR.

Claims 11-14

Document 3: JP, 2002-23292, A (Fuji Photo Film Co., Ltd.), 23 January, 2002 (23.01.02)

Document 3 (paragraph 18) describes that (1) indication means for indicating such action states as "during reading," "during erasing," "completion of reading" and "completion of erasing" are provided, and (2) lamps different in color are made to light up for indication in response to action states.

The inventions of documents 1 and 3 have the same technical problem to be solved in a radiation image reading apparatus. It is considered to be obvious for a person skilled in the art to apply the indication means described in document 3 for solving the common technical problem in the invention of document 1. So, the subject matters of claims 11-14 do not appear to involve an inventive step in view of document 1 cited in the ISR and document 3 newly cited in the written opinion.

Claims 15-22

Document 2 (paragraphs 0405 and 0406) describes that when the trouble of back plate drop occurs, the occurrence of the trouble is informed to the user.

Furthermore, the document (paragraph 0395) describes that when a trouble occurs, a cassette cannot be inserted into the insertion port.

Employing (1) a means for detecting whether or not any object exists when it should exist or (2) a sensor for detecting by contact with an object that should exist, as a means for detecting the occurrence of drop, is a well-known technique concerning the detection of existence. So, the subject matters of claims 15-22 do not appear to involve an inventive step in view of document 2 cited in the ISR.